

FIG. 1

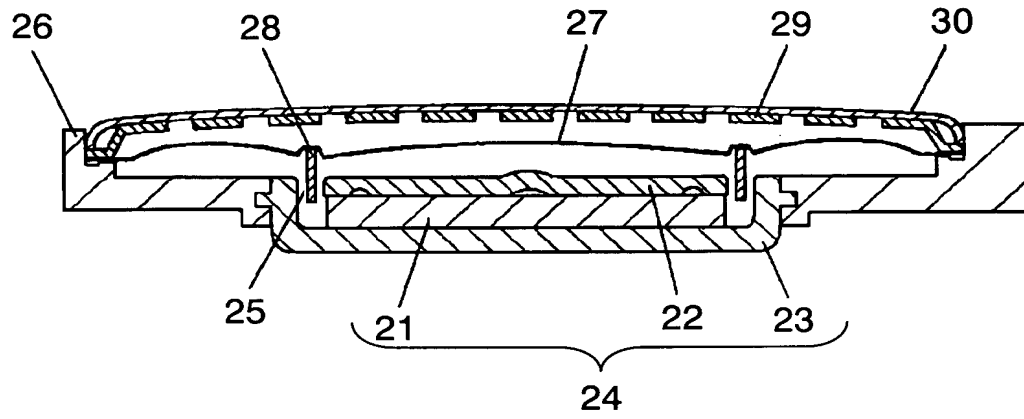


FIG. 2

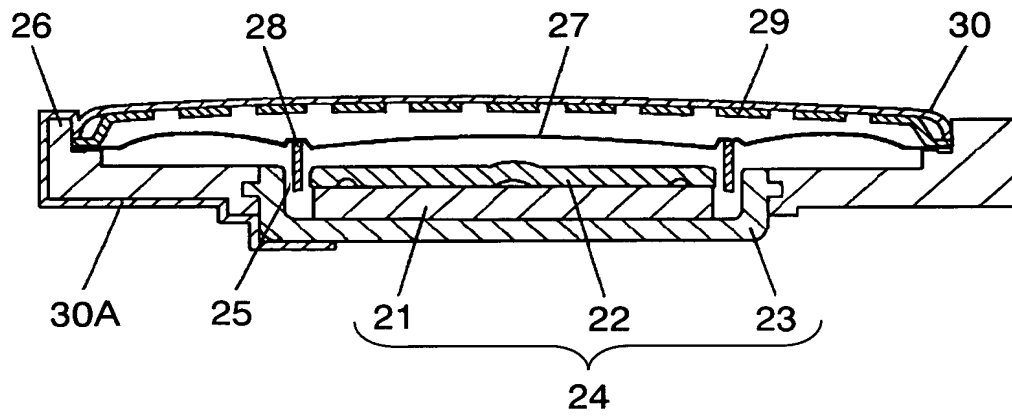


FIG. 3

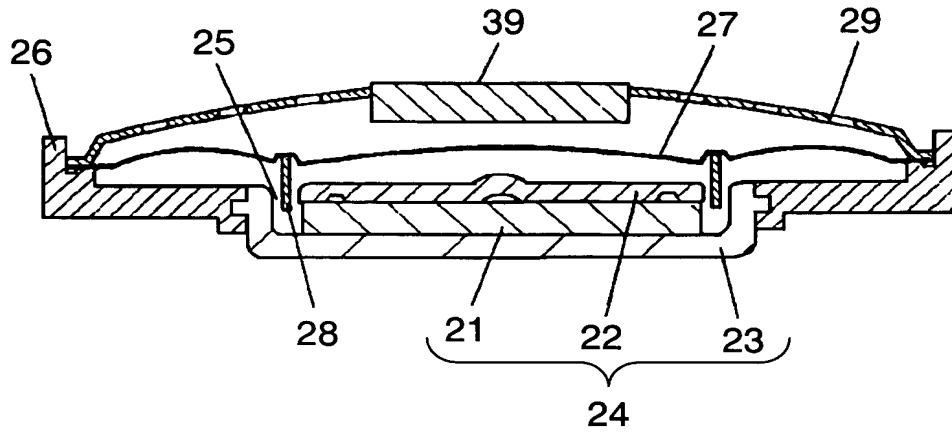


FIG. 4

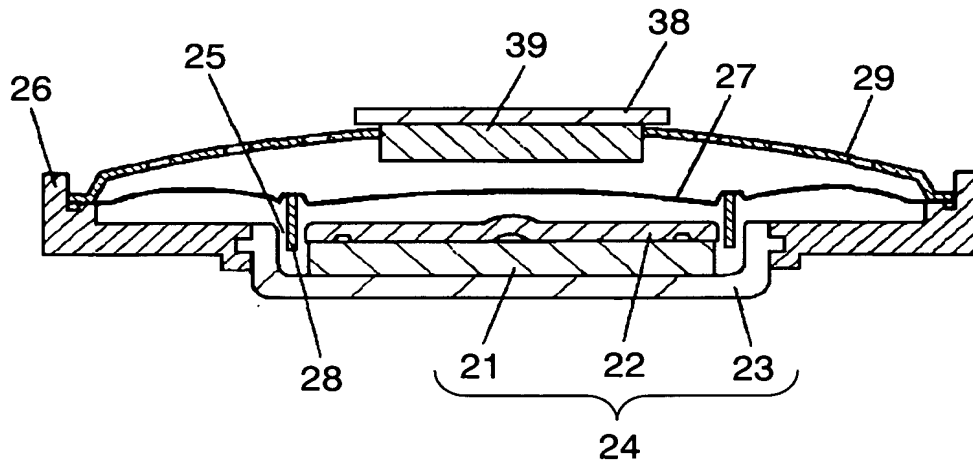


FIG. 5

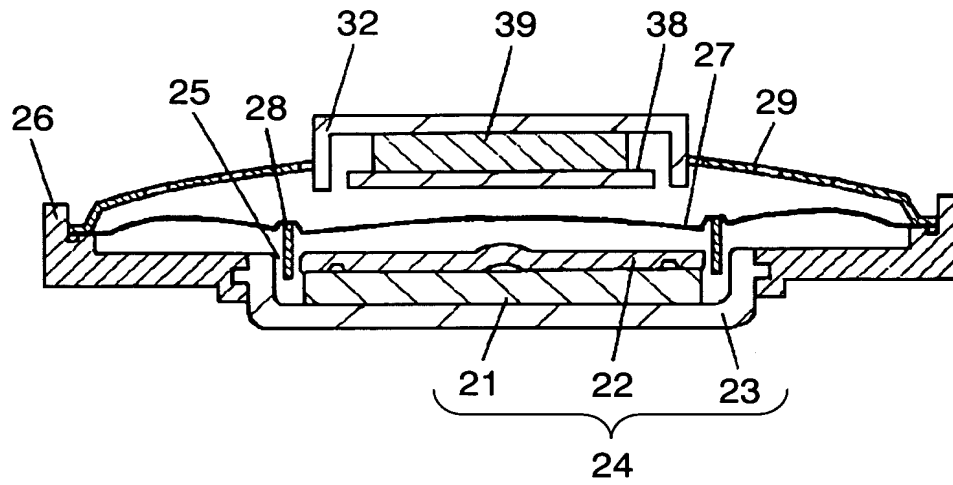


FIG. 6

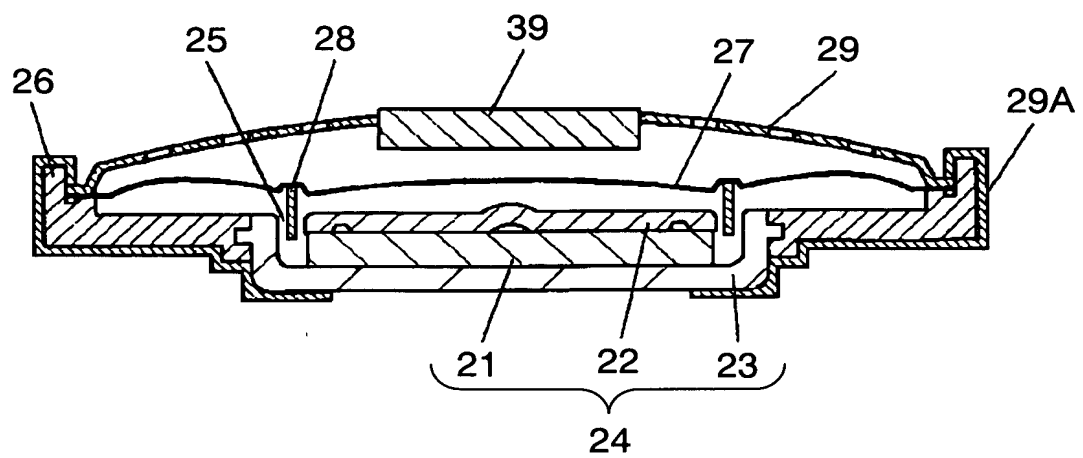


FIG. 7

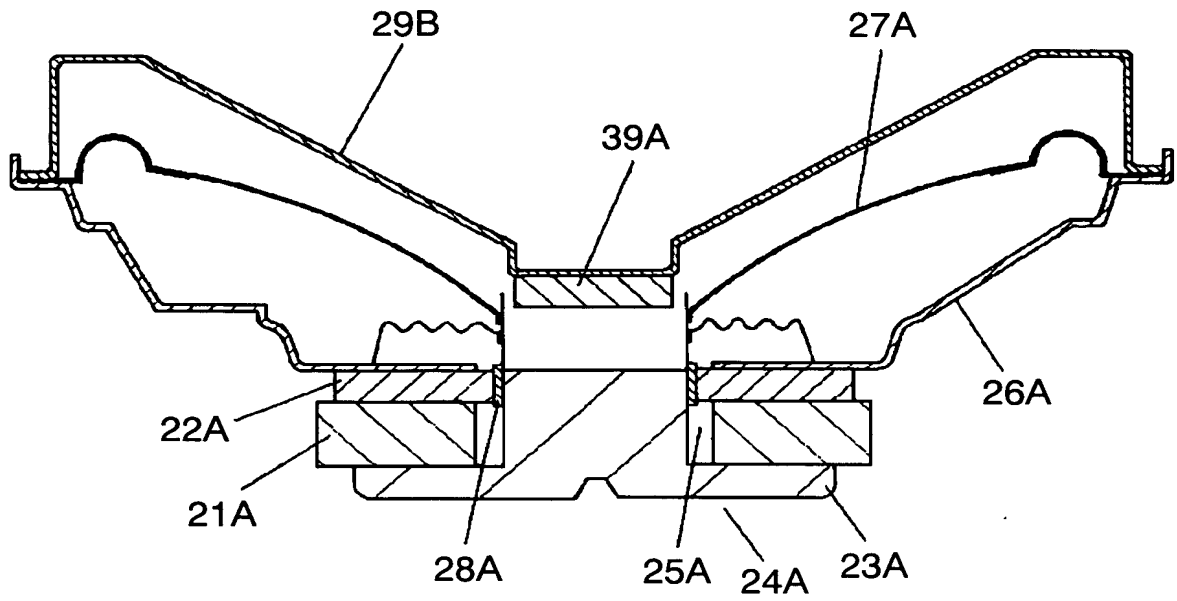


FIG. 8

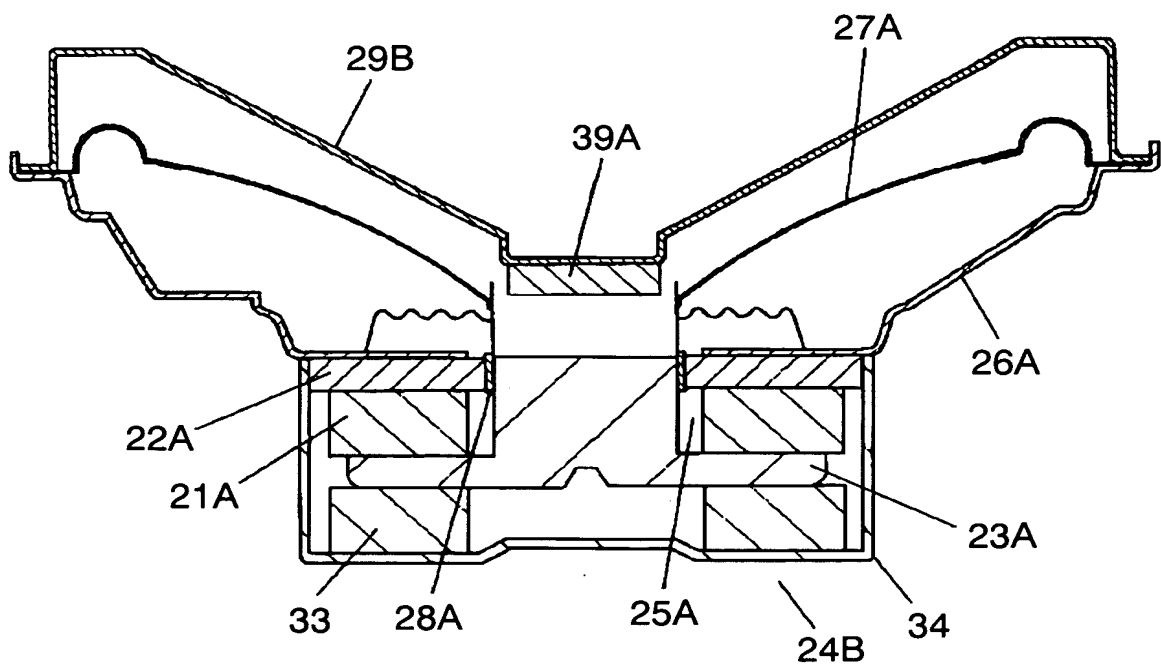


FIG. 9A

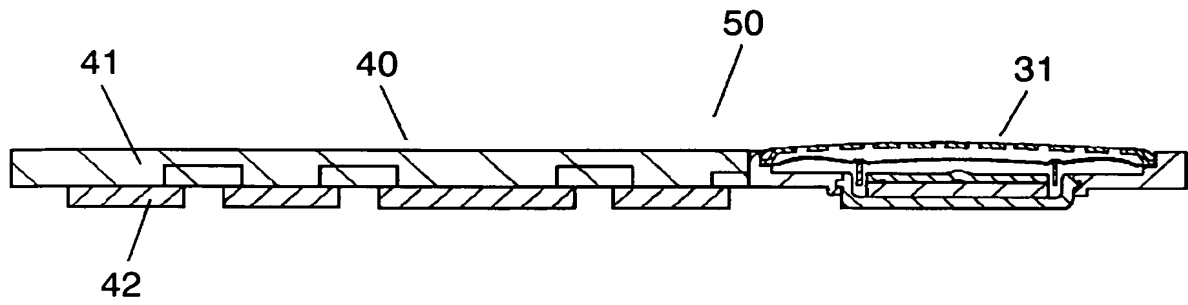


FIG. 9B

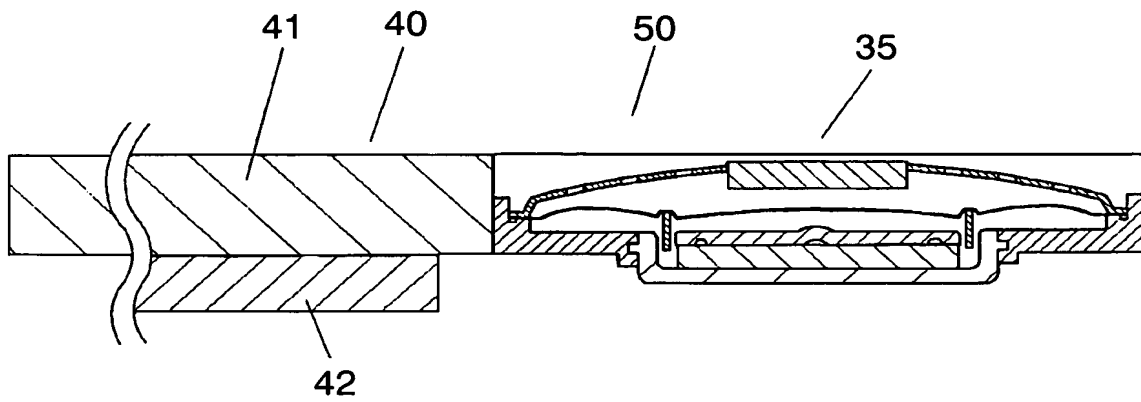


FIG. 10A

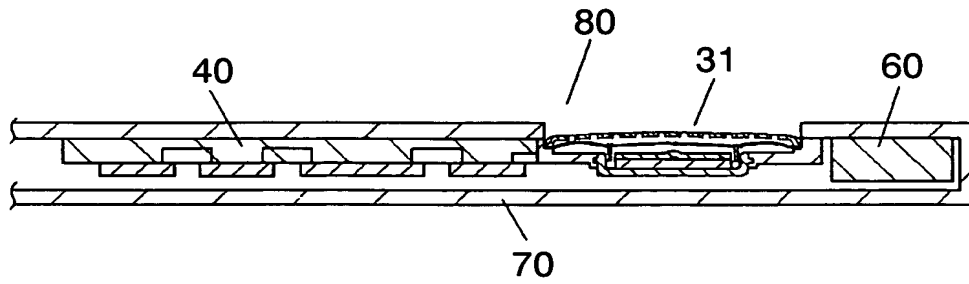


FIG. 10B

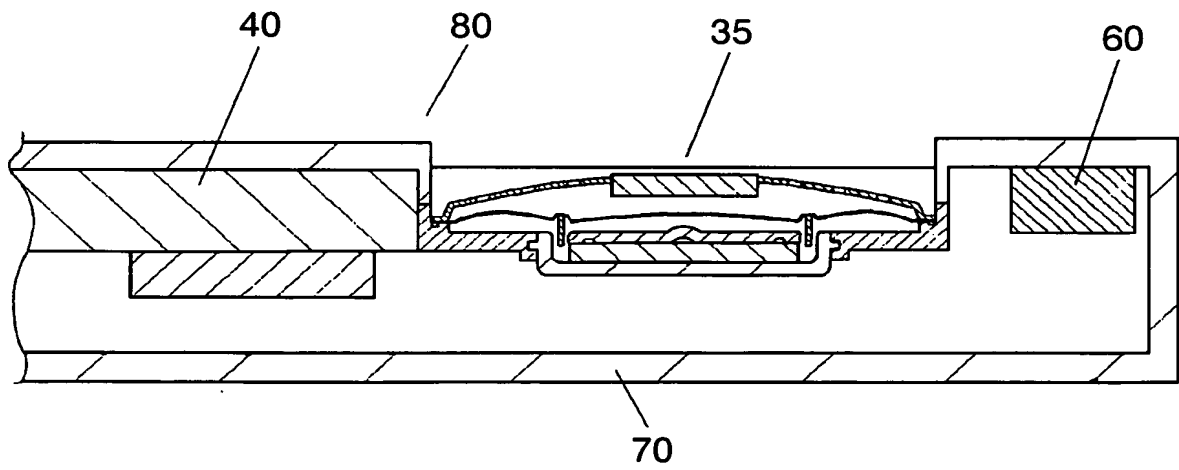


FIG. 11A

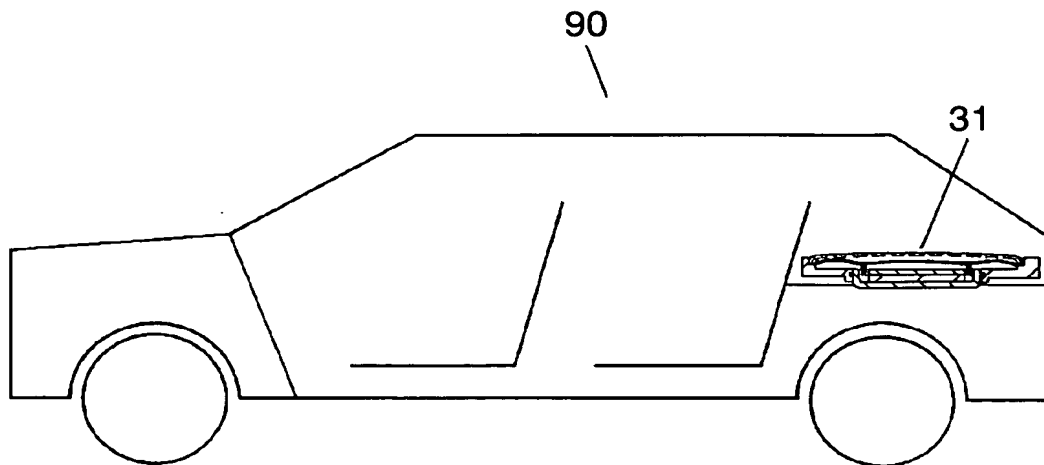


FIG. 11B

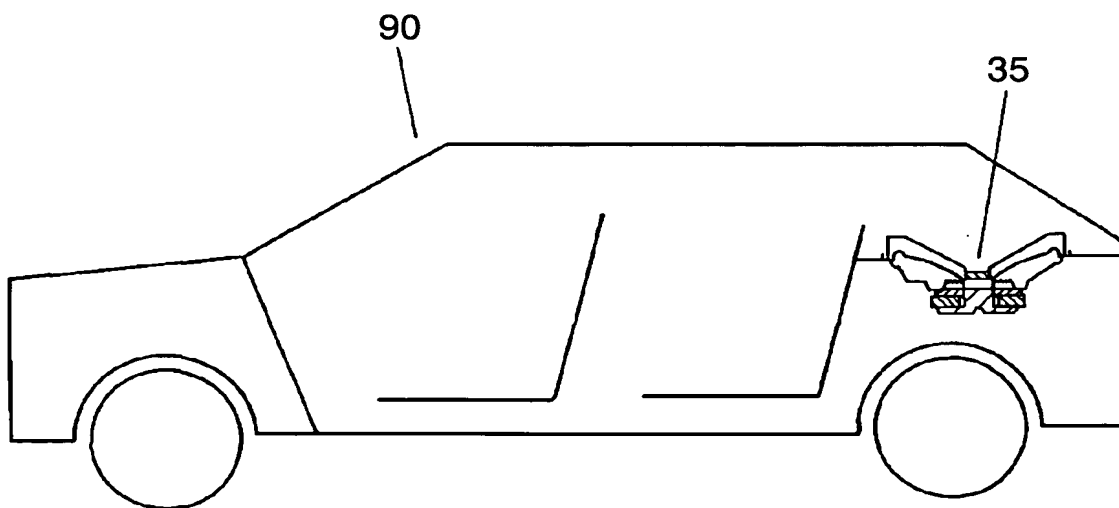
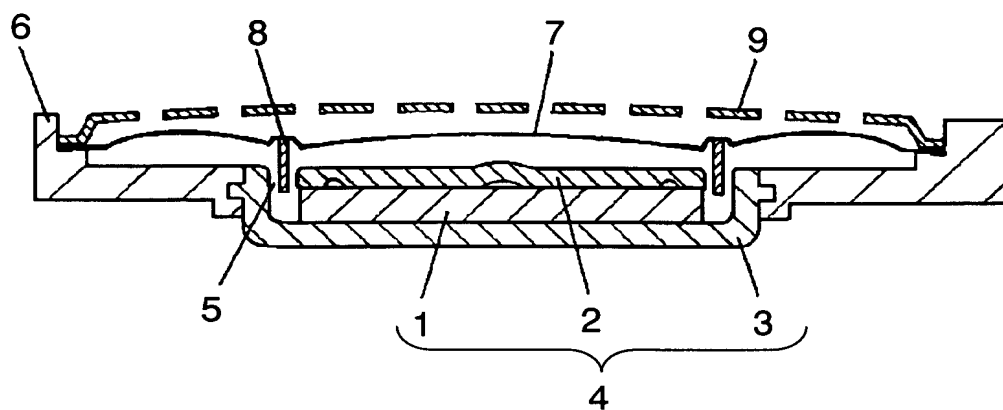


FIG. 12



Reference marks in the drawings

21, 21A Magnets
22, 22A Upper plates
23 Yoke
23A Lower plate
24 Internal magnetic circuit
24A External magnetic circuit
24B Shielded type magnetic circuit
25, 25A Magnetic gaps
26, 26A Frames
27, 27A Diaphragms
28, 28A Voice coils
29, 29B Protectors
29A Protector extended part
30 Net
30A Net outer periphery
31, 35 Loud speakers
38 Plate
39 Repulsion magnet
40 Electronic circuit
41 Circuit board
42 Electronic component
50 Speaker module
60 Display module
70 Exterior case
80 Portable phone
90 Automobile